

Project Title	Funding	Strategic Plan Objective	Institution
Using near-infrared spectroscopy to measure the neural correlates of social and emotional development in infants at risk for autism spectrum disorder	\$15,000	Q1.L.A	Harvard University
Using near-infrared spectroscopy to measure the neural correlates of social and emotional development in infants at risk for autism spectrum disorder	\$0	Q2.Other	University of New South Wales
The use of non-invasive brain stimulation to improve social relating in autism spectrum disorders	\$0	Q4.S.F	Monash University
The role of the GRIP protein complex in AMPA receptor trafficking and autism spectrum disorders	\$0	Q2.Other	Johns Hopkins University
The neural basis of weak central coherence in autism spectrum disorders	\$13,040	Q2.Other	Yale University
Studying Rett and Fragile X syndrome in human ES cells using TALEN technology	\$0	Q2.S.D	Whitehead Institute for Biomedical Research
Sequence-based discovery of genes with pleiotropic effects across diagnostic boundaries and throughout the lifespan	\$0	Q3.L.B	Massachusetts General Hospital and Harvard University
Roles of miRNAs in regulation of Foxp2 and in autism	\$45,000	Q2.Other	Louisiana State University
Role of negative regulators of FGF signaling in frontal cortex development and autism	\$45,000	Q2.Other	University of California, San Francisco
Role of microglial activation in the serotonergic and neuroimmune disturbances underlying autism	\$50,000	Q2.S.A	Hamamatsu University School of Medicine
Probing the temporal dynamics of aberrant neural communication and its relation to social processing deficits in autism spectrum disorders	\$0	Q2.Other	University of Pittsburgh
Predicting outcomes in autism with functional connectivity MRI	\$0	Q1.L.B	National Institute of Mental Health
Paternal age and epigenetic mechanisms in psychiatric disease	\$45,000	Q3.S.J	Research Foundation for Mental Hygiene, Inc/NYSPI
Neuropeptide regulation of juvenile social behaviors	\$29,550	Q2.Other	Boston College
Neural underpinning of emotion perception and its disorders	\$30,000	Q2.Other	Dartmouth College
Neural correlates of social perception in autism	\$30,000	Q1.L.C	Yale Child Study Center
Learning in autism spectrum disorders	\$28,902	Q2.Other	University of California, Davis
Investigating brain organization and activation in autism at the whole-brain level	\$0	Q2.Other	California Institute of Technology
Impact of an autism associated mutation in DACT1 on brain development and behavior	\$45,000	Q4.S.B	University of California, San Francisco
Exploration of resting-state network dynamics in autism spectrum disorders	\$0	Q4.Other	Harvard University
Enhancing neurobehavioural and clinical definitions in autism spectrum disorders	\$28,000	Q2.Other	Monash University
Dissecting expression regulation of an autism GWAS hit	\$30,000	Q3.L.B	University of California, San Francisco
Development of a connectomic functional brain imaging endophenotype of autism	\$0	Q2.Other	University of Cambridge

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Convergence of immune and genetic signaling pathways in autism and schizophrenia	\$0	Q2.S.A	University of California, Davis
Characterization of synaptic and neural circuitry dysfunction underlying ASD-like behaviors using a novel genetic mouse model	\$0	Q4.S.B	Duke University
Cellular and molecular pathways of cortical afferentation in autism spectrum disorders	\$0	Q4.S.B	University of Geneva
Brain-behavior interactions and visuospatial expertise in autism: a window into the neural basis of autistic cognition	\$0	Q2.Other	Hospital Riviere-des-Praires, University of Montreal, Canada
Behavioral and neural responses to emotional faces in individuals with ASD	\$14,935	Q2.Other	Harvard University
Assessing sleep regulation, sleep-dependent memory consolidation, and sleep-dependent synaptic plasticity in mouse genetic models of schizophrenia and autism spectrum disorders	\$45,000	Q2.S.E	University of Pennsylvania
Adverse prenatal environment and altered social and anxiety-related behaviors	\$45,000	Q4.S.B	University of Pennsylvania
Abnormal connectivity in autism	\$30,000	Q2.Other	University of California, Los Angeles

